

# Tennessee Fire Fatality Profile 1998-2002

Dennis Mulder

TFIRS Coordinator

TN State Fire Marshal's Office

Phone (615) 532-5753 Fax (615) 741-1583

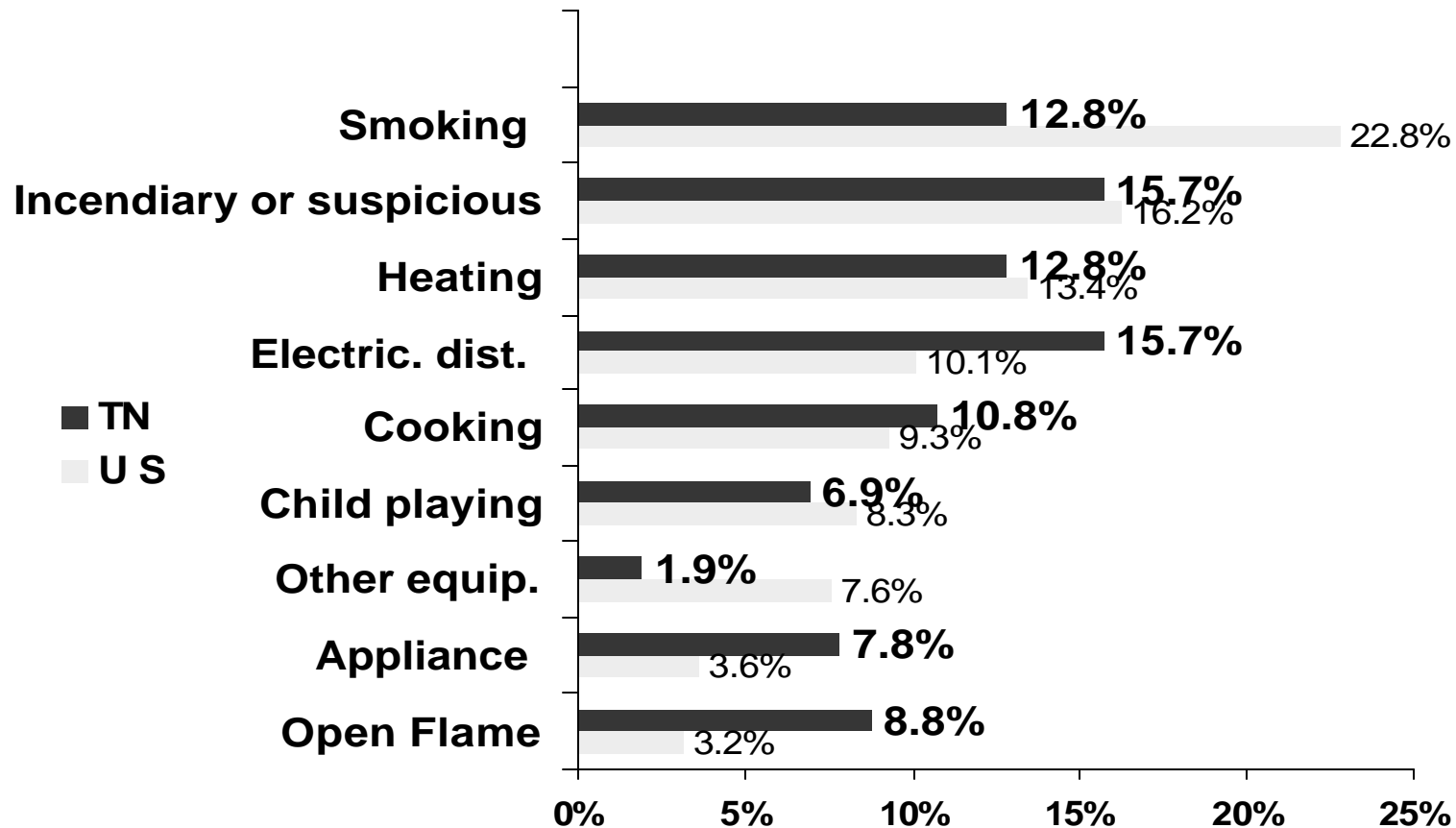
E-mail: [Dennis.Mulder@state.tn.us](mailto:Dennis.Mulder@state.tn.us)

# Fire Cause Categories

Incendiary/Suspicious	Fire deliberately set or suspicious circumstances
Children Playing	Includes all fires caused by children playing with any materials contained in the categories below
Natural	Caused by Sun's heat, spontaneous ignition, chemicals, lightning, static discharge
Smoking	Cigarettes, cigars, pipes as accidental heat of ignition
Heating	Includes central heating, fixed and portable local heating units, fireplaces and chimneys, water heaters as source of heat
Cooking	Includes stoves, ovens, fixed and portable warming units, deep fat fryers, open grills as source of heat
Electrical Distribution	Includes wiring, transformers, meter boxes, power switching gear, outlets, cords, plugs, lighting fixtures as source of heat
Appliances (including air conditioning/refrigeration)	Includes televisions, radios, phonographs, dryers, washing machines, vacuum cleaners, hand tools, electric blankets, irons, electric razors, can openers, dehumidifiers, water cooling devices, air conditioners, refrigeration equipment as source of heat
Other Equipment	Includes special equipment (radar, x-ray, computer, telephone, transmitters, vending machine, office machine, pumps, printing press), processing equipment (furnace, kiln, other industrial machines), service, maintenance equipment (incinerator, elevator), separate motor or generator, vehicle in a structure, unspecified equipment
Open Flame, Spark (heat from)	Includes torches, candles, matches, lighters, open fire, ember, ash, rekindled fire, backfire from internal combustion engine as source of heat
Other Heat	Includes fireworks, explosives, heat or spark from friction, molten material, hot material, all other fires caused by heat from fuel-powered objects, heat from electrical equipment arcing or overloading, heat from hot objects not covered by above groups

# Leading Causes TN vs. U S Home Fire Deaths

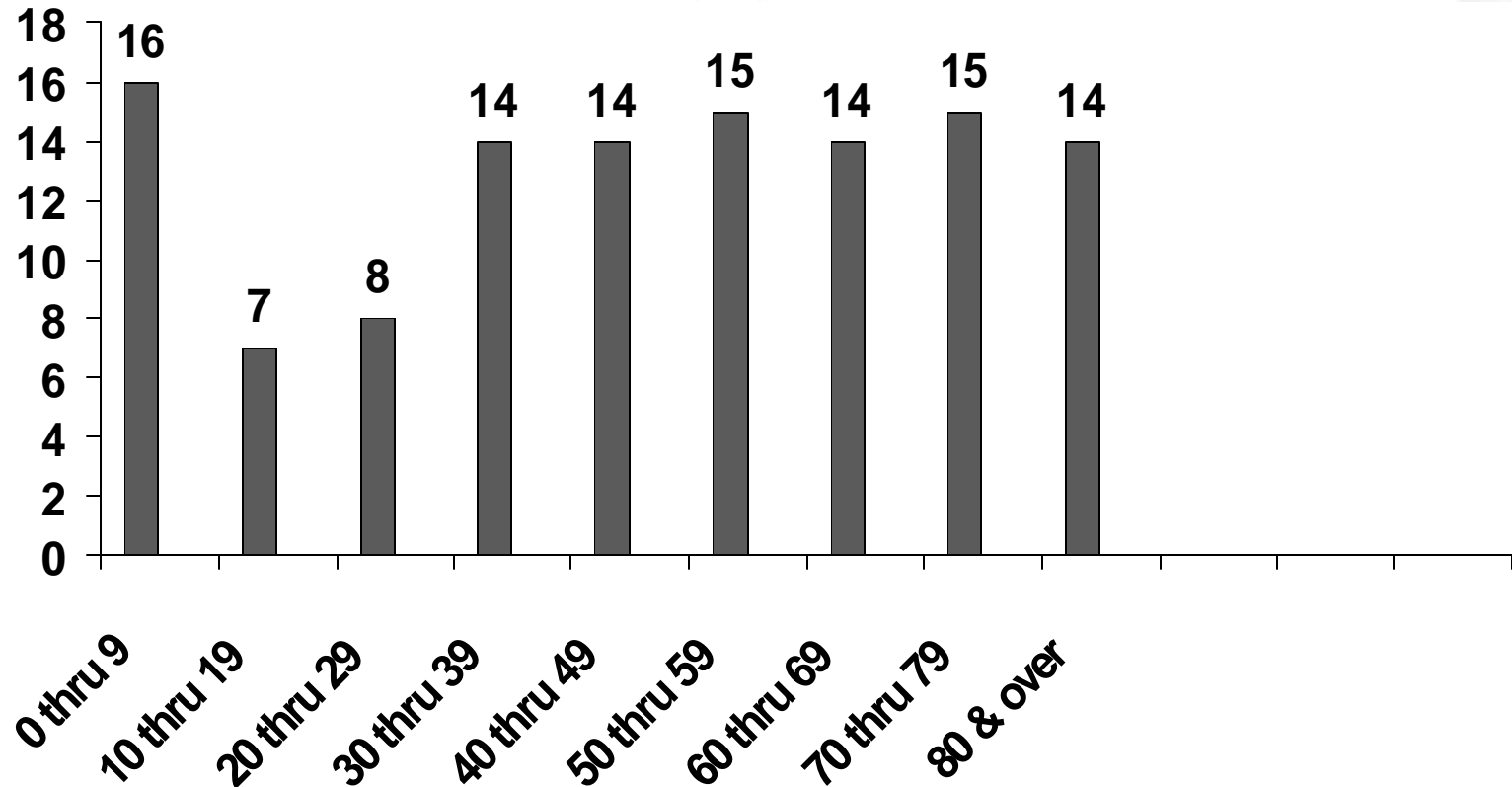
TN 1997-2001; U S 1994-1998 Annual Averages



Unknowns allocated proportionally

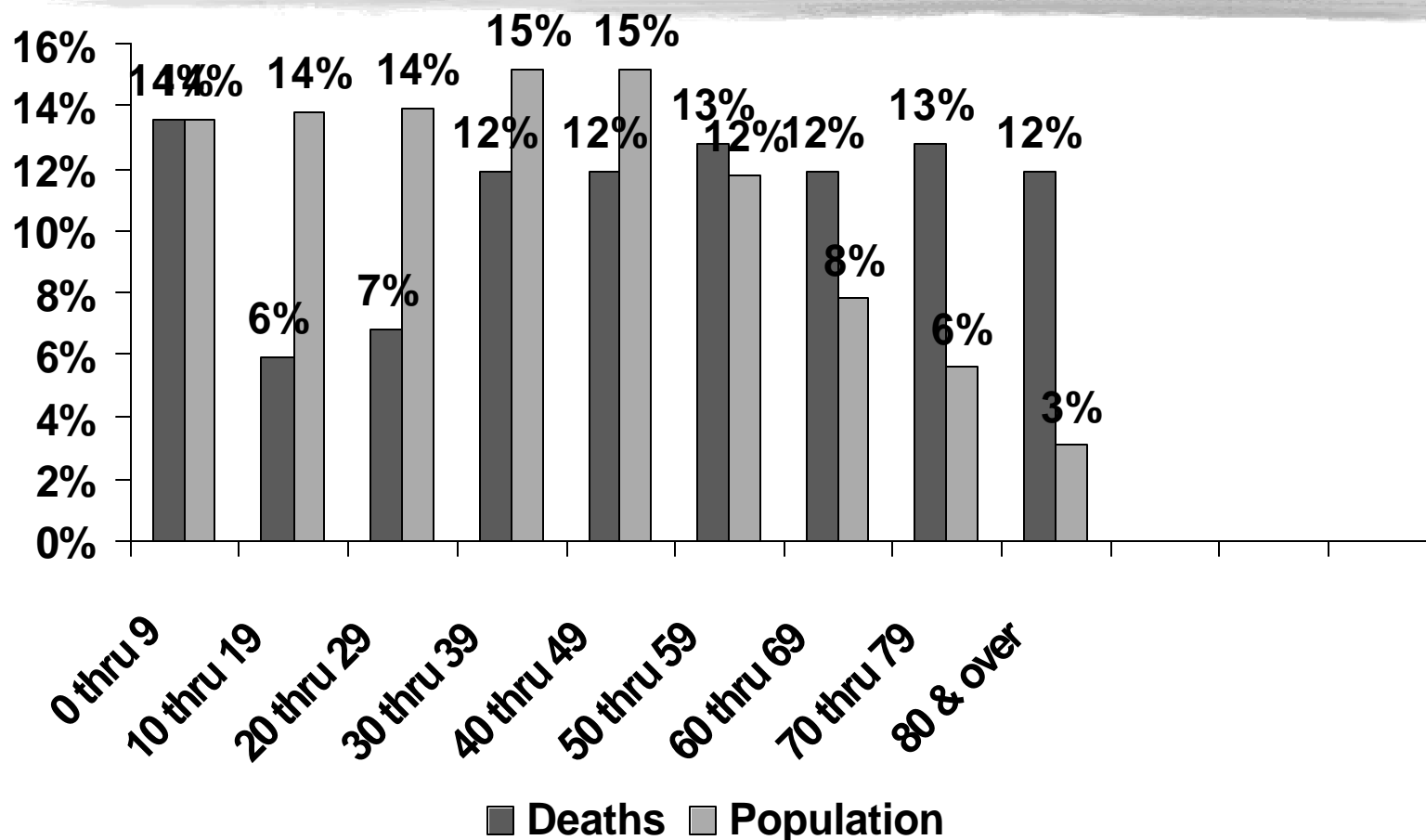
Source: *U.S. Fire Problem Overview Report*, by Marty Ahrens & TFIRS

# Annual TN Fire Death Toll by Age Group 1998-2002



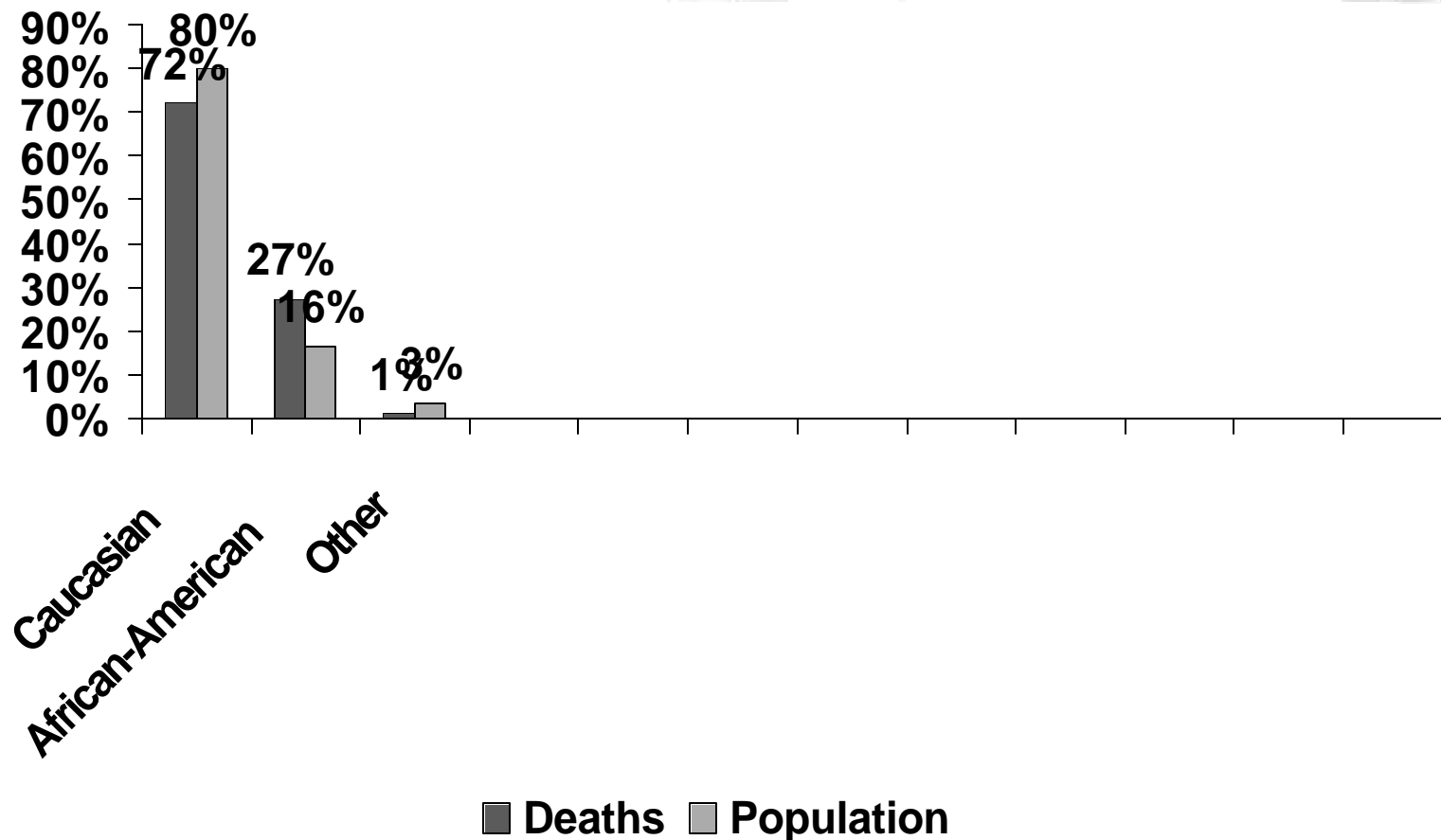
Source: *Death Certificates, TDH; 117 accidental deaths per year, TN residents only*

# Annual TN Fire Death Share By Age Group 1998-2002



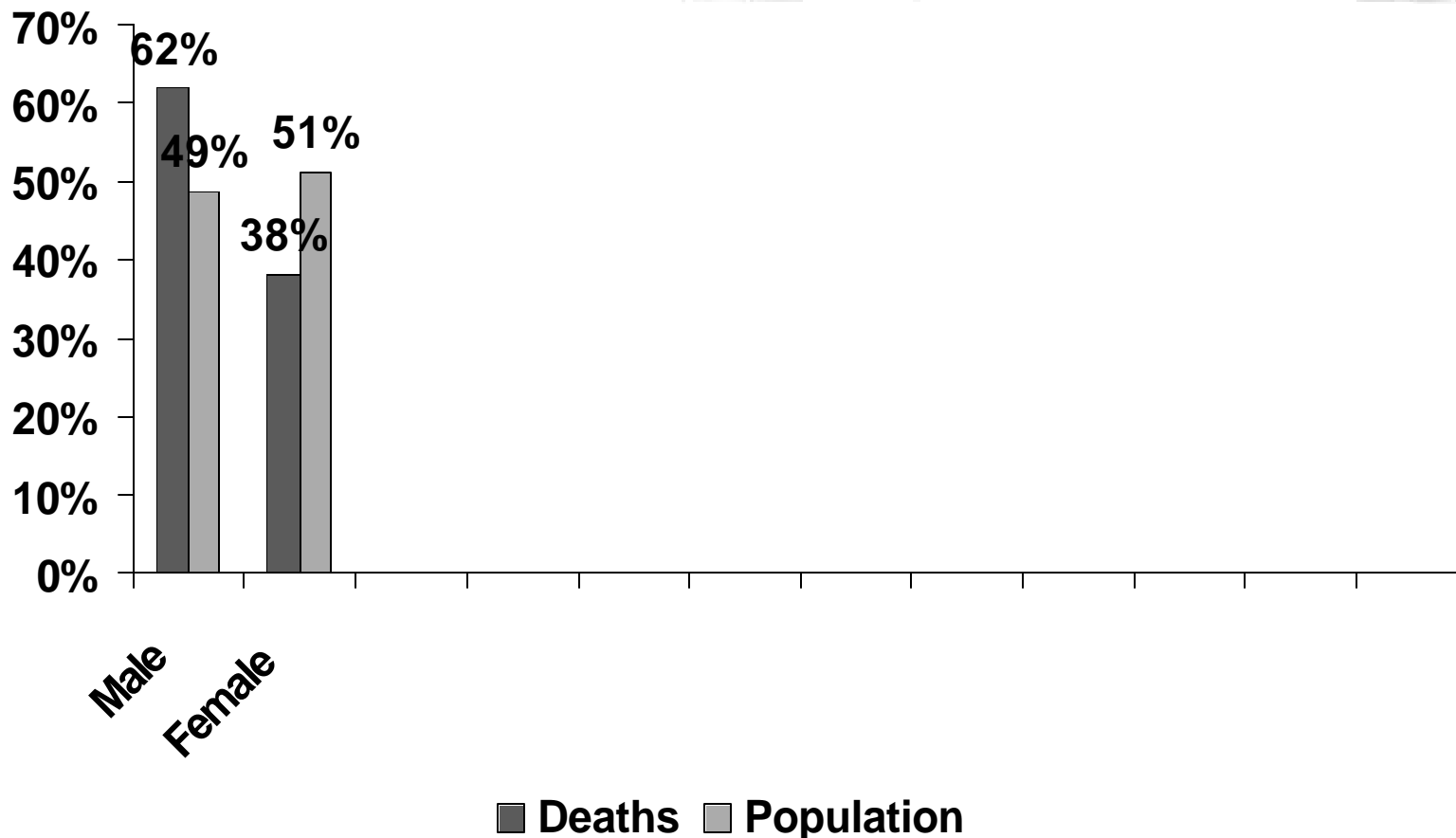
Source: U.S. Census & TDH Death Certificates, accidental deaths, TN residents only

# Annual TN Fire Death Share By Race 1998-2002



Source: U.S. Census & TDH Death Certificates, TN residents only

# Annual TN Fire Death Share By Sex 1998-2002



Source: *U.S. Census & TDH Death Certificates, TN residents only*

# Highest Risk Groups



- Age 60 and over
  - 37% of all fire deaths
  - 17% of total population
- Age 5 and under
  - 78% of fatalities under 10
  - 7.9 % of total population
- Males
- African-American

Source: Death Certificates, TDH, 1998-2002.